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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/910,584	07/20/2001	William A. Huffman	062986.0210	1410

7590 11/03/2004

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EXAMINER

ZHONG, CHAD

ART UNIT	PAPER NUMBER
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2152

DATE MAILED: 11/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/910,584

Applicant(s)

HUFFMAN ET AL.

Examiner

Chad Zhong

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 08 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

1. Claims 1-26 are presented for examination.
2. It is noted that although the present application does contain line numbers in specification and claims, the line numbers in the claims do not correspond to the preferred format. The preferred format is to number each line of every claim, with each claim beginning with line 1. For ease of reference by both the Examiner and Applicant all future correspondence should include the recommended line numbering.

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

3. Applicant is required to update the status (pending, allowed, etc.) of all parent priority applications in the first line of the specification. The status of all citations of US filed applications in the specification should also be updated where appropriate.

*Claim Rejections - 35 USC § 102*

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371 (c) of this title before the invention thereof by the applicant for patent.

5. Claims 1-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Hewitt et al. (hereinafter Hewitt), US 6,611,891.

6. As per claim 1, Hewitt teaches a method for communicating to a sender an availability of receiving a new message in a plurality of buffers each having at least one slot for storing the new message comprising:

determining whether there is at least one slot available in each of the buffers for receiving the new message; and

providing a credit signal that communicates to the sender only when all of the buffers have at least one of the at least one slot available for storing the new message (Col. 14, lines 1-15, wherein the receiving side must be all freed up in order to allow the sender to send messages which could be routed to any one of the buffers. This functionality is inherent).

7. As per claim 2, Hewitt teaches a method according to claim 1 further comprising monitoring the buffers to determine whether at least one of the at least one slot in each of the buffers is available for storing the new message (Col. 14, lines 1-15, wherein monitoring aspect is inherent for the target side to send back to the sender; Col. 16, lines 28-49).

8. As per claim 3, Hewitt teaches a method according to claim 1 further comprising providing a count for each of the buffers (Col. 16, lines 1-15; Col. 14, lines 53-59).

9. As per claim 4, Hewitt teaches a method according to claim 3 further comprising decrementing each count when all of the buffers have the at least one slot available for storing the new message (Col. 8, lines 14-29; Col. 15, lines 42-52).
10. As per claim 5, Hewitt teaches a method according to claim 4 further comprising configuring at least one of the buffers to receive a particular message type (Col. 26, lines 31-35).
11. As per claim 6, Hewitt teaches a method according to claim 5 further comprising:
  - receiving the new message from the sender having an associated message type;
  - loading the new message into the slot of a particular least one of the buffers which is configured for receiving the particular message type of the new message (Col. 26, lines 31-35; Col. 27, lines 20-38).
12. As per claim 7, Hewitt teaches a method according to claim 6 further comprising determining the particular message type of the new message (Col. 26, lines 30-35).
13. As per claim 8, Hewitt teaches a method according to claim 7 further comprising incrementing the count of each of the buffers in which the new message was not loaded (Col. 27, lines 44-55).
14. As per claim 9, Hewitt teaches a method according claim 8 further comprising, after the loaded new message is freed from the buffer in which it was loaded, incrementing the count of the buffer in which the new message was loaded (Col. 27, lines 44-55; Col. 30, lines 44-54).
15. As per claim 10, Hewitt teaches a method according to claim 9 wherein each of the buffers includes a plurality of slots (Col. 32, lines 8-25).

16. As per claim 11, Hewitt teaches a method according to claim 10 further comprising:  
initializing the slots of the buffers; and  
prior to loading a first message into the initialized slots of the buffers, setting each of the counts equal the number of the initialized slots in its corresponding buffer (Col. 27, lines 43-55; Col. 16, lines 28-50).

17. As per claim 12, Hewitt teaches a method according to claim 1 buffers includes six buffers.  
wherein the plurality of buffers includes six buffers (Col. 26, lines 30-35).

18. As per claim 13, Hewitt teaches a method according to claim 1 further configuring each the buffers with a comprising different particular message type (Col. 26, lines 30-35).

19. As per claim 14-26, claims 14-26 are rejected for the same reasons as rejection to claims 1-13 above respectively.

### *Conclusion*

20. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents and publications are cited to further show the state of the art with respect to method of providing router with subnetwork address pool in a cellular telecommunications network.

- i. US 5933618 Tran et al.
- ii. US 5265091 van Landegem, Thierry L. M. F.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chad Zhong whose telephone number is (703) 305-0718. The examiner can normally be reached on M-F 7am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on 703-305-8498. The fax phone numbers for the organization where this

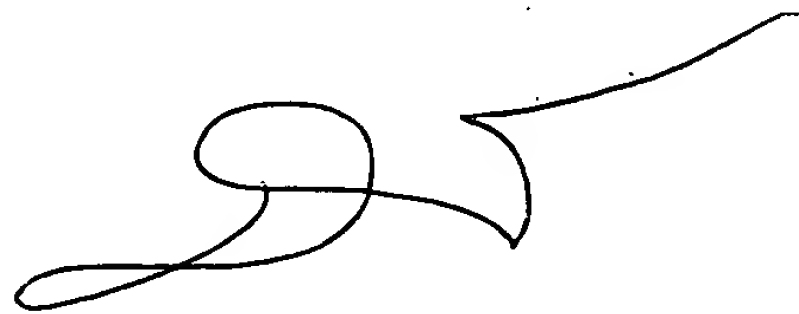
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application or proceeding is assigned are 703-746-7239 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

CZ  
October 12, 2004

Dung C. Dinh  
Primary Examiner

A handwritten signature in black ink, consisting of a large, stylized 'D' followed by a horizontal line and a small upward stroke.